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TECHNICAL DEVELOPMENT BOARD

RECOMMENDATION SHEET

The following items have been reviewed by the Technical Development Board and are recommended for approval:

- a. Unconventional Imagery Exploitation Program - -

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APPROVED:

Executive Director, NPIC

DATE

*This program was approved by
the TDB meeting 2 March '66*

- b. Zoom Tube Magnifier (Change in Scope) - Bausch & Lomb Inc. - \$6,500

APPROVED:

Executive Director, NPIC

DATE

*The technical proposal and cost
proposal are in booklet form on
file in P&DS*

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ATTENTION: TECHNICAL DEVELOPMENT BOARD MEMBERS

THE INFORMATION CONTAINED IN THE ATTACHED PAPERS
IS NOT TO BE RELEASED OR REVEALED TO ANY CONTRACTOR UNTIL
AFTER THE CONTRACT INVOLVED HAS BEEN LET BY THE OFFICE OF
LOGISTICS. IT IS ESPECIALLY IMPORTANT THAT THE IDENTITY
OF THE SUCCESSFUL CONTRACTOR NOT BE DIVULGED IN ANY WAY
WHICH COULD LEAD TO ITS BECOMING KNOWN BY OTHER
CONTRACTORS OR POTENTIAL CONTRACTORS.

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NPIC/TDB-M-10-66
7 March 1966

TECHNICAL DEVELOPMENT BOARD

MINUTES OF 2 MARCH 1966

Members Present:

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Observers :

1. Announcements

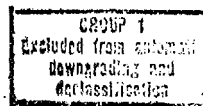
a. Approval of Minutes

The Chairman opened the meeting and announced that the minutes of the 4 February 1966 meeting were noted and recommended items approved by the Executive Director on 8 February 1966.

b. Proposals

The Chairman noted that 6 new proposals had been received since the last meeting and were available in the PDS for anyone interested in reading them. The Chairman also noted that 23 proposals had been rejected because other proposals were selected.

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SECRETc. Interim Actions

(1) The Chairman announced to the members that executive approval has been secured on the overrun for Automated Stereo Viewing Study for FY-65 in the amount [redacted] This action was taken because the overrun costs were less than twenty per cent of the original contract price. The total contract price [redacted]

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(2) The Chairman announced to the members that executive approval has been secured for the cost adjustment on Project [redacted] Information Flow Analysis for FY-66 in the amount [redacted] This increase is due to adjustment in labor rates at [redacted] effective 1 January 1966. This increases the total amount of the contract for FY-66 [redacted]

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The Chairman announced that [redacted] would present a few explanatory remarks to the Board on FY-66 allocations for R&D, then [redacted] would describe the P&DS distribution of allocated funds.

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[redacted] began by commenting on a list that the Chairman had given him showing 9 major changes in the NPIC funding allocation for R&D since April 1965. The latest change reduces the overall amount available for FY-66 [redacted] He explained that this figure could be subjected to further change before June. In December, PDS responded to instructions to request an additional [redacted] for completion of its '66 program; however, time has now run out. Both PDS and the Office of Logistics would be hard pressed to obligate this much money in conjunction with the actions already programmed but delayed. The request for a supplemental 1966 allocation of [redacted] has therefore been withdrawn.

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[redacted] explained that the fault did not lie within PDS but they must deal with the problem. Part of the problem lies in the approval and justification process. He then explained how this works and recommended that hereafter a chart or information sheet accompany the budget submission identifying each project; in this way, the DDI could relate the individual project submissions to the overall program when project approval is requested.

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[redacted] asked if the new budget cycle would help in alleviating such problems. [redacted] said he hoped it would, but honestly didn't know.

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The Chairman stated that, in spite of the funding allocation reduction, the TDB would continue to review project recommendations. [redacted] said by all means, the Board should continue to process as many projects as possible. Those programs and projects beyond the current allocation should be prioritized and flagged "subject to availability of funds".

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[] reminded members that the original 1966 budget was prepared for [] program but was reduced to [] before submission. The budget allocation currently stands at [] for FY-66 R&D. He then reviewed for the information of the Board the distribution of these funds.

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25X1FY-66 R&D BUDGET

---28 February 1966

Obligated

Fiber Optic Viewer

Plotter Marking System

Zoom Tube Mag.

Human Factors Research Program

Automatic Stereo Scan. Program

Image Analysis Program

Automatic Target Recognition Program

Unconventional Imagery Sys. Program
(-92,120.)

Electro-Color Techniques

TOTAL

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He emphasized that NPIC is solidly committed [] as of February, and the Board has since then approved recommendations for []

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25X12. New Businessa. Unconventional Imagery Exploitation Program - []

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The Chairman pointed out that this is one of the 6 programs on which bidder's conferences were held. [] presented the recommendation with briefing boards. He explained that this is a long-range program concerned with sensor types, other than panchromatic photography. []

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[] There are many unknown factors which must be examined for intelligence value for NPIC purposes, such as training requirements, optimum equipment requirements and target signatures. In addition, data link (direct image transmission) keeps looming in the background. [] explained that PDS has received 11 proposals on this program. Each was subjected to at least 4 independent evaluations and all evaluators felt []

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had submitted the best proposal. He then described the proposed plan for program organization. Subcontractors are to include [redacted] consultants are included from the University [redacted]

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[redacted] suggested that a better title for the program would be "Advanced Systems Imagery" instead of "Unconventional Imagery". The discussion on this suggestion seemed to indicate that a majority of the Board agreed. The Chairman instructed [redacted] to give this serious consideration.

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[redacted] asked if PDS could have had 5 different contracts for this program instead of one? He asked for an explanation of similarities between the advanced systems included in the program. [redacted] explained that Conductron's capabilities were strong in electronics and that most of the requirements are related to sensors generating imagery through electronic signals. The Board agreed to recommend this item for approval.

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As a sidelight, Mr. Brugioni mentioned that some new night photography was in the building and wondered if the Board Members were aware of this fact. Little interest was generated by the announcement.

b. Zoom Tube Magnifier (Change in Scope) - [redacted]

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The Chairman announced that [redacted] would present this recommendation to the Board. He explained that the first experimental Zoom Tube Magnifier produced [redacted] did not meet NPIC requirements in optical characteristics. The design was critically reviewed by [redacted] who had several suggestions for improvements. This change of scope reflects those recommendations. The 1st engineering prototype was passed around to show the results to date. [redacted] explained that this prototype bears a close outward resemblance to the model being proposed. [redacted] explained that this task is difficult because what they are really trying to do is put microscope optics into a tube magnifier. The new design will increase the field of view and decrease the distortion. The NPIC development cost for this magnifier [redacted] in addition to this cost B&L expects to put about [redacted] of company money into the work. Delivery is expected about 1 April 1966 and the unit price for production models is expected to be [redacted]. In answer to the Chairman's question on joint procurement interest, [redacted] explained that he expected joint procurement interest to be high -- once a successful prototype is delivered and tested. He based this judgment on the fact that nearly 800 units of the Tropel 13X Tube Magnifier are being procured jointly at present. The Board recommended this change of scope for approval without further comment.

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c. Demonstration of Trailer Mounted PI Equipment - []

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[] announced that he had received a letter from [] stating that he will be in town the week of 8 - 11 March 1966, with a mobile demonstration unit on tour in this area. [] asked the Board if there would be any interest in seeing this demonstration, if so, possibly the van could be parked at the loading dock. The Board agreed that this was of sufficient interest and [] will proceed with arrangements.

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d. Explanation of Color Processors Being Procured by PSD

[] described a visit to the National Geographic Society to see a color processor made by Rollar Corporation (the best U.S. manufacturer of color processing equipment). The equipment cost [] to prepare a site for it. During the visit, it was learned that a German company was manufacturing a drum-type processor of superior design. This machine is self-contained, programmed automatically by cards, 8 ft. long 4 ft. wide and 7 ft. 5 in. high, and [] installed. [] said he has already talked with logistics and would like to get two machines, one for paper and one for transparencies. He passed around a sales brochure on the processor for the information of Board Members. No action was required on this matter.

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[]
Executive Secretary

NOTED:

Executive Director, NPIC

DATE

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